

QUA • RAE

ERIE'S FINEST AMATEUR NEWSBULLETIN

VOL. II NO. 9

APRIL 1971

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RAE & LSARC BIG AUCTION - APRIL 17.

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Barry Capell, WA3GSH 455-0034
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PHOTOGRAPHY

Chuck Kader, W3BVM

RADIO ASSOCIATION OF ERIE SERVING AREA AMATEURS FOR 26 YRS.

Radio Association of Erie, Inc.
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L. H. JETER W3HTD
434 VERMONT AVE.
ERIE, PA. 16505

JOIN THE "RELIABLE AMATEURS OF ERIE"

***** RAE MINUTES *****
March 4, 1971

The meeting was called to order at 8:15 PM by president K3UPC.

Officers present: K3UPC, K3VXE, WA3MAU, WA3KAI.

Directors present: WA3HDK, W3KPM, W3SN.

The February minutes were approved as read.

The Treasurers report, indicating a new balance of \$336.29, was also approved.

CORRESPONDENCE - The following was introduced by K3VXE.

- (1) Several more QSLs received from past RAE county expeditions.
- (2) Several newsletters were also received from other radio clubs.
- (3) Bill from Caravaglia Printing for printing supplies.
- (4) Notice from Addressograph on status of balance in prepaid account.
- (5) Bill from Warren Radio for relay for the RAE Repeater.

ACTIVITIES - K3VXE reported on the following activities.

- (1) March 6-7, ARRL DX Phone Contest - RAE is to participate again.
- (2) March 25, Facsimile talk given by K3VXE and W3ZLO possibly at the Naval Reserve Center.
- (3) April ?, engineer from Astatic Corp. to discuss microphones. More on this later.
- (4) April 17, combined RAE and LSARC auction at St. George Auditorium.
- (5) May ?, attempting to secure another out-of-town speaker.

K3VXE reminded everyone of WA3HSR and W3KT's photograph shown in March QST, page 85. Ron also reminded members that W3SN is now the new trustee of the club station license (W3GV) and instructed the treasurer to reimburse W3SN the required modification fee of \$9.00. The secretary was also requested to send for the ARRL Annual Report as described in the March issue of QST.

COMMITTEES - WA3HSR reported that the up-to-date membership listing shown in the March QUA-RAE totals 105 members. The usual 200 copies of the QUA-RAE plus complimentary and exchanges were also mailed last Monday.

There was no Hamfest report from K3VLP who was not present.

WA3GIV was also not present could not report on CD equipment, however, K3VXE who did check reported that all equipment is in fine shape.

W3KPM reported that he and Dave Parmenter were out to the EOC for inspection after the DX Contest. Tom and Mr. Parmenter were both disappointed at the RAE membership and requested the EOC to be cleaned up properly after this coming weekend's contest. Tom had nothing to report on RACES.

WA3HSR, who recently discussed the AREC with (SEC), W3KPJ, introduced applications for AREC participation on behalf of W3KPJ.

W3ZLO reported that the RAE Repeater is without an ID, however this is to be corrected shortly. Also, the repeater is now being prepared for permanent mounting on the Police Tower as soon as the weather allows. Chuck introduced the group present from

*****RAE MINUTES*****
(continued)

Ashtabula, Ohio who will discuss repeater problems with the RAE repeater group immediately after the business meeting.

WA3HDK advised that the 1971 Auction will be held at St. George Auditorium on Saturday, April 17, from 4:00PM to 10:00 PM. WA3HSR talked with W3ALD of LSARC, who are to combine with thw RAE on this years auction advising him of plans thus far. K3UPC will be the auctioneer, and Mr. McGary will be his assistant.

Under Old Business, WA3HSR introduces samples of stationery made by the RNS Printing Shop and reported on the styles, colors and prices for both letterheads and envelopes.

WA3HDK advised that Penelec will not be available in the future to all organizations, due to security measures now employed at this facility. Bob also spoke to personnel at the Naval Reserve Center on their available facilities.

Under New Business, K3VXE made a motion that "The RAE purchase 1000 letterheads and envelopes from RNS Printing at the prices quoted." W3ZLO seconded this motion, which was voted on and carried.

WA3HDK requested the QUA-RAE staff put the Naval Reserve Center on the mailing list. Bob also advised that Capt. Allison of the NRC would like assistance on their communications equipment and that he would contact the RAE in the near future on this.

WA3HDK introduced a letter and questionnaire from the Atlantic Division Director of ARRL, Harry McConaghy. Most ARRL members received theirs, however, still a few did not get their copy due to third class mailing.

K3VXE introduced a letter from Harry McConaghy advising the RAE to make their selection for the Atlantic Division Assistant Director. Ron made a motion opening nominations for assistant director, seconded by WA3HSR, voted on and carried. WA3HSR nominated W3ZLO, Chuck Smith, seconded by K3VXE. W3SN nominated WA3HSR, Mike Hall, seconded by WA3LSY. WA3HDK made a motion that nominations be closed, seconded by W3SN, voted on and carried. Upon secret ballot vote, the members selected W3ZLO as assistant director to ARRL Atl. Div. Director, Harry McConaghy. K3VXE is to inform W3EPC of this selection.

K3UPC advised he would check into the possibility of securing ARRL Bulletins on RTTY for membership information.

There were 14 members and 2 guests present for this meeting.

A motion for adjournment was made at 9:05 PM by W3KPM, seconded by W3SN voted on and carried.

Respectfully submitted,
Chuck Manross, WA3KAI
Chuck Manross, WA3KAI

SALE, SWAP OR BUY

K3WOL, Bill Rothstein is looking for any usable rotor and control box parts. 452-4729.

COME TO THE BIG AUCTION ON THE 17TH AND GET SOME GOODIES - ALL THE ACTION IN THE RAE

APRIL 1971

SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
				1 <i>guess What? your right RAE BUSINESS MEETING</i>	2	3
4 <i>PALM SUN NETS 6 & 10 MTR</i>	5	6	7	8	9 <i>GOOD FRIDAY</i>	10
11 <i>EASTER NETS 6 & 10 MTR</i>	12	13	14	15 <i>AP</i>	16	17 <i>R.A.E. L.S.A.R.C. AUCTION 4 to 10 PM.</i>
18 <i>NETS 6 & 10 MTR</i>	19	20	21	22 <i>RAE ACTIVITIES MEETING</i>	23	24
25 <i>NETS 6 & 10 MTR</i>	26	27	28	29	30	

DATES TO "REMEMBER"

APRIL 3-4: SP (Poland) DX CONTEST

APRIL 10-11: NOVICE QSO PARTY

APRIL 17: RAE & LSARC "AUCTION" from 4⁰⁰ PM to 10⁰⁰ PM.

APRIL 22: RAE "ACTIVITIES" MEETING at ARMED FORCES CENTER.

APRIL 24-25: WAE (Worked All Europe) RTTY CONTEST

APRIL: (tentatively for last weekend 24 & 25) RAE COUNTY EXPEDITION for PA.

MAY 6: RAE "BUSINESS" MEETING 8:00 PM at RED CROSS BUILDING.

MAY 8-9: USSR (RUSSIA) CW DX CONTEST

MAY 15: ARMED FORCES DAY

JUNE 18-19: W3GV COMMUNICATIONS ASSISTANCE at STATE DEMOLAY CONV.

JUNE 26-27: ARRL "FIELD DAY" COMPETITION.

NOV. 13-14: ARRL "SWEEPSTAKES" - PHONE CONTEST

NOV. 20-21: ARRL "SWEEPSTAKES" - CW CONTEST

NOTES FROM THE EMERGENCY COORDINATOR

Rules For Net Members

- Teamwork is the theme of net operation. The net which functions most efficiently is the net in which all the participants are thoroughly familiar with the procedure used and in which the operators refrain from transmitting except at the direction of the NCS. They do not waste time with extraneous comments.
- When a single member violates a single one of the net rules, circuit discipline deteriorates and the lost time and confusion increase geometrically with the number of operators who fail to observe the rules.
- Zero beat the net control carefully, without putting a signal on the air. Net is where the NCS is.
- Always get NCS's permission to transmit, even to transmit to him. In voice nets this is done by giving your own call sign once. NCS may acknowledge by repeating your call sign or by saying "go ahead."
- Transmit only to NCS when you do transmit, except on instructions from NCS to address another station. You may be tempted at times to jump in to help. Such "help," however, only adds difficulty and confusion. Wait until the NCS asks for your help.
- Answer promptly when NCS calls you. Pay attention to business.
- NEVER leave the net without telling NCS, even for a few moments. If you must leave temporarily or permanently, ask for NCS's permission.
- Stations which are sent off-frequency to handle traffic should return to net to be excused--not just close up shop after clearing the hook.

More notes next month.

73, DE WA3GSH, Barry, EC

APRIL ACTIVITIES ANNOUNCEMENT

The Radio Association of Erie is proud to announce the acceptance of Mr. Al Dvorsky of Astatic Corp. of Conneaut, Ohio to speak at the April 22 Activities meeting. Al will be discussing many aspects of microphone theory and especially emphasize the importance of acoustics in designing good quality into microphones. The meeting should prove enlightening to all as a question and answer period will follow the talk. The meeting will be held at the Armed Forces Reserve Center at 41st and Old French Rd. It will get under way around 8:00 PM. Local amateurs are reminded to sign up for bands during Field Day. 20 SSB has found no takers while 6 SSB, 40 SSB and 75 SSB all have at least two. If you want a CW station, let us know, and one will be set up on 40 meters, but we need good ops for this. Are there any takers? Don't forget the annual CD Drive-out on April 30. The Erie CD and RAE are providing the communications links between Corry and Erie. RTTY and SSB will be run from the Corry center to the Red Cross building. Those interested are asked to contact Fred Tate, WA3GIV. Don't forget that big RAE/LSARC Auction on April 17. A 50/50 and refreshments and prizes will be given away. See the map in this issue.

*****PROPAGATION REPORT*****
*****From CQ Magazine*****

Well fellow DXers, the present sunspot cycle has definitely begun to decline and we must, unfortunately, look forward to several years of declining propagation. The sunspot number has reached its lowest point since September of 1967 and it is expected to decrease more this year.

Fifteen meters should be the best band for DX during April from shortly after sunrise until the early evening hours. Exceptionally strong signal levels should occur during many of these openings and openings to the tropics and southern hemisphere should prevail well into the hours of darkness. Propagation conditions on twenty meters should be at optimum during hours of darkness and the sunrise period. The increased amount of daylight will cause the 20 meter band to remain open longer to most areas of the world. Highest signal levels should occur during the hours of darkness.

A definite decline in 10 meter openings should bring tears to the eyes of many DXers in Erie. This is the time of year during which this is typical. Openings are still expected to occur during daylight hours to the tropical areas. A decline of DX openings should follow on 160, 80 and 40 meters. The hours of darkness should bring some good openings to 40 meters to many areas of the world. The seasonal increase of thunderstorm activity in this hemisphere will be the cause for higher static levels on these bands.

April should be a good month with openings on the VHF bands. The seasonal increase in Sporadic-E propagation should begin this month. It will result in an increase in short-skip openings between distances of 750-1300 miles on 10 and 6 meters with possible multiple hop skip to 2400 miles. During the more intense periods of Sporadic-E ionization, 2 meters is also expected to open up over distances between 1200 and 1400 miles. Sporadic-E conditions usually peak in the late morning and early evening hours.

Lyrids, a major meteor shower should take place between April 21-23, peaking late in the afternoon on the 22nd. During this peak, 15 meteors per hour are expected to enter the atmosphere increasing the chances for a meteor scatter-type opening. An increase is also expected in the Trans-Equatorial Scatter between the northern and southern hemispheres. TE scatter is most likely between 8 and 11 PM.

As VHFers warm up the rigs and shin up the beams, HFers begin to think of bigger and better things next fall. Don't put the things away yet, though, as several weeks of good HF conditions are still forecast.

*****STRAYS*****
*****DE QUA-RAE STAFF*****

- W3QN Kenny has been practicing on his speeches. He is also getting out well on 10 these days.
- WA3HSR Mike found out how to load an Invader 2000 into a Harvey-Wells TBS-50D during the ARRL DX Contests. Mike says he even had a QSO!
- WA3EAY Marty has been hitting the RAE Repeater successfully with his newly acquired Handie-Talkie.
- WA3COS Dave may take a weekend off from school to attend the RAE Auction.

***** STRAYS *****
(continued)

WA3QIS The RAE welcomes Al as a new member from the Titusville area. Al recently moved here from 2-land.

WA3NGC Frank is said to have his antenna problems conquered on his garage. Now all he needs to do is supress the tick-tock of that clock!

K3VXE As Ron leaves for a tour of duty with Uncle Sam, the ENTIRE membership of the RAE as well as other amateurs in the area wish him well and give him a resounding THANK-YOU for a job well done. We'll certainly miss him.

W3ZLO Chuck recently gave out several western Pa. counties on a localized expedition. Over 50 QSOs were made.

K3AXS Everyone was glad to see Dick make it to the April 1 RAE meeting. Now that the weather is better we hope to see more of Dick.

K3UPC John is going to have to sharpen up his receiver in order to copy WIAW RTTY bulletins through all that QRM.

K3NAU Chuck after being in Erie for about a week, decided to retreat to HC-land (Ecuador) and HC8-land for a vacation and better weather.

W3YX Tom was an active participant in the ARRL DX Contests. Other locals along with W3GV heard were W3BVM, W3PIX, W3BRB, K3KRA and W3DKL.

WA3HJC Lee (Hairy) was home on leave from the US Navy and attended the RAE March Activities meeting. Lee is now back at Great Lakes.

K3VLP George is looking forward to putting his newly acquired TR-4 into his newly acquired 1971 Rambler.

W8LAC Thanks goes to Walt for helping to set up the April Activities meeting.

WA3JIS Jim has been busy taking orders for plastic call letter plates. Did you order yours yet?

WA3QDT Thanks to PARC station for reciprocal exchange of QSL cards.

W3VHP Doc recently learned some tricks as to calibrating his rotor dial.

W3GV RAE getting ready for three big county trips to 4 states.

It is with deep regret that we note the passing of Dr. Ralph (Doc) Sheldon, W3KLD. Doc was one of the founding members of the RAE in 1945. He served the amateurs and the community well during his lifetime. His active participation and willingness to lend a helping hand to all will be fondly remembered by all. It will always be with pride that we shall remember
Doc Sheldon, W3KLD

Federal Communications Commission

FEE SCHEDULE EFFECTIVE AUGUST 1, 1970 AND AFTER

COMMERCIAL OPERATOR LICENSES AND PERMITS

Either Radiotelephone or Radiotelegraph - New, Renewal, Duplicate, or Replacement: First Class - \$5.00; Second - \$4.00; Third - \$3.00
Restricted Radiotelephone Operator Permits - \$8.00
Provisional Certificate for Radiotelephone Third Class Operator Permit with Broadcast Endorsement-----\$2.00
Verification Card- \$2.00 Posting Statement- \$2.00
Seperate Application for Endorsement of License-----\$2.00
Restricted Radiotelephone Permit (alien)-----1 yr.\$2.00

AMATEUR RADIO SERVICE

Initial License, Renewal, New Class of Operator License-----\$9.00
Modification of license without Renewal-----\$4.00
Modification of License with Renewal-----\$9.00
Special Call Sign (Plus any other applicable fee)-----\$25.00

AVIATION RADIO SERVICE

Microwave Stations (new, renewal, or assignment)-----\$75.00
All other Applications-----\$20.00

CITIZENS RADIO SERVICE

Application for Station License-----\$20.00

INDUSTRIAL, LAND TRANSPORTATION, AND PUBLIC SAFETY SERVICES

Initial License, modification, renewal, or assignment-----\$20.00
Microwave station (new, renewal, or assignment)-----\$75.00
Microwave station modification without renewal-----\$20.00

MARINE RADIO SERVICE

Interim Ship License including Subsequent Initial License-----\$25.00
Microwave Stations (new, renewal, or assignment)-----\$75.00
Common Carrier Public Coast Stations (new, renewal, or assignment)-----\$75.00
All other applications (including exemptions from ship radio station requirements)-----\$20.00

DUPLICATE LICENSE for Safety and Special Radio Services-----\$6.00

(FOR EXCEPTIONS, SEE SUBPART G OF PART 1 OF THE COMMISSION'S RULES)

TIRED OF TALK ABOUT LOCAL AMATEUR RADIO ACTIVITIES AND NO ACTION???????
--THEN COME WHERE ALL THE ACTION IS - THE RAE
SIGN UP FOR FIELD DAY AT THE NEXT ACTIVITIES OR BUSINESS MEETING!

TECH TALK

A QUA-RAE PULLOUT

THE TEN COMMANDMENTS FOR TECHNICIANS (and Generals, Conditionals, Advanced, and Extras, as well as Novices)

1. Beware the lightning that lurketh in the undischarged capacitor, lest it cause thee to bounce upon thy buttocks in a most untechnician-like manner.
2. Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy days in this earthly vale of tears may be long.
3. Prove to thyself that all circuits that radiateth and upon which thou worketh are grounded and thusly tagged lest they lift thee to radio frequency potential and causeth thee to make like a radiator too.
4. Tarry thou not amongst those fools that engage in intentional shocks for they are surely non-believers and are not long for this world.
5. Take care that thou useth the proper method when thou takest the measure of a high-voltage circuit lest thou incinerate both thyself and thy meter, for verily, though thee hast no account number and can be easily surveyed; the test meter doth have one, and as a consequence, bringeth much woe to the supply room.
6. Take care thou tampereth not with interlocks and safety devices, for this incureth the wrath of the supervisor and bringeth the fury of the safety inspector upon thy head and shoulders.
7. Work thou not on energized equipment, for if thou so doest, will thy fellow workers surely buy beers for thy widow and console her in other ways.
8. Service thou not equipment alone, for electrical cooking is a slothful process and thou might sizzle in thy own fat for hours upon a hot circuit before thy maker sees fit to end thy misery.
9. Trifle thou not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife have no further use for thee except thy wages.
10. Causeth thou to be tagged all modifications made by thee upon equipment, lest thy successor tear his hair and go slowly mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.

—Author Unknown

I hope you enjoyed the light touch in the tech-talk this month. The subject matter is actually very serious and it would be a good idea to post this in the shack above the bench for periodic reminder.

73, Ron, K3VXE

ASSISTANT DIRECTOR'S NOTEBOOK

I would like to thank those who supported my being nominated to the A.R.R.L. Assistant Director's position for the Atlantic Division and I would like you to know that your comments and notes of comment and activity will be forwarded with utmost speed to our very capable director, Connie Mac.

I feel that during this time of frequency shuffling, incentive licensing, and increased activity on the bands, one should be aware of all the proposed and pending changes as well as the routine changes that affect all of us from day to day.

Being newly appointed, I do not yet have much material to report on. However, the QUA-RAE will be the primary recipient of all this information and material so it will be available to all interested amateur radio operators.

Again, my phone is always open for comments (8683138) and you can find me on 7255 or 146.34/.94 most any evening for a QSO. Lets put the Erie section of the Atlantic Division on the map. Support your club, report your activities, and get active on all modes.

73, Chuck Smith, W3ZLO

REPEATREPEATREPEATREPEATER REPEATER NEWS

GET ON CHANNEL A — CHANNEL J IS COMING!

Detailed plans are now being made to complete and expand the W3ZLO repeater. Recently a 450 MHz. link was purchased to separate the 34 receiver from the 94 transmitter and to provide a 19 input until another link and site is procured for a 79 output.

Twenty interested members of the VHF Repeater Committee of the RAE recently met at the Red Cross building to begin plans for a definite goal and financial setup for the repeater complex. A committee was formed to study the necessary finances needed to maintain the repeater. Alex Dolgosh, K8EUR, licensee of the Ashtabula repeater was present to offer information and advice.

A meeting was also held with Barry Capell, WA3GSH, who holds the license for the WA3KUV repeater. This repeater, recently on 19-79 has been dismantled by Barry due to inactivity and numerous pointed remarks by members of the RAE and PARC. Barry wished to clear the record by saying that WA3KUV was his own repeater and despite publicity to the contrary had no support and/or connection wanted with the Presque Isle Amateur Radio Club. The W3ZLO repeater, with Barry and Bill Rothstein, K3WOL, contributing their welcome assistance will assume 19-79 which will give the repeater a base-station input on 19.

The 34-94 repeater has been plagued with RF feedback problems the last few weeks due to a problem in the transmitting antenna. It was found out the hard way that the VSWR has to be below 1.5 to 1 before a cavity will work in

REPEATER NEWS, CONT.

a line to remove unwanted RF.

Finally, the "Windy 2-FM Award" goes to Bob Smith, K3WTZ this month for holding up the 3 minute time-out over 3 minutes. The award would have gone to Mac, W3AQY, but he was on AM through the repeater when he hit it. See you all at the Auction-----

73, Chuck, W3ZLO--The Erie Repeater

REPEATED-----

CAN YOU PLAY MARY HAD A LITTLE LAMB ON THAT THING???

OK, BOB--YOU PUNCH OUT YOUR OWN TELEPHONE NUMBER AND SEE IF IT RINGS-----
AND NO LONG-DISTANCE CALLS!

ONLY TWO MORE LICENSES TO GO FOR WORKED ALL SIPPLE RADIO

ANY GUESS ON HOW MANY ACTIVE HAMS AT ERIE TECHNO??

HEY RON--! THIS ADDRESS IS MY OLD NEXT-DOOR NEIGHBOR-----I DIDN'T KNOW HE WAS A HAM. NO WONDER HE NEVER SAID ANYTHING ABOUT TVI!!!

A.R.R.L. RESPONSE TO F.C.C. DOCKET ON REPEATER OPERATION

The ARRL has published a 60 page comment in response to the FCC Docket No. 18803, RM 388, RM 1087, RM 1209. The FCC docket and ARRL response will be briefly summarized here. Your own copy is obtainable from ARRL HQ or can be seen at any RAE meeting.

In a nutshell, the FCC docket called for:

1. The prohibition of repeater linking and multiple hops.
2. Mandatory coded access (whistle-on)
3. The prohibition of crossband repeater operation.
4. Repeater subbands : 146.30-146.60, input; 146.90-147.20, output. (2-M.)
5. The repeater licensee must continuously monitor the emissions at the control point.
6. That repeater input be limited to 600 watts.
7. Only Fixed repeaters would be provided for (no portable or mobile operations).
8. That a 3-minute time-out be mandatory.
9. Identification of the repeater at 3 minute intervals.
10. Relaxation of the logging requirements to include only repeater maintenance and time-on, time-off information.

The ARRL Board of Directors unanimously voted on this outline to be followed in the comment sheet:

1. That any rules adopted on Amateur repeaters provide for the maximum flexibility and the minimum of restrictions and regulations.
2. That repeater linking and multiple hops be permitted.

REPEATER DOCKET COMMENT, CONT.

3. That coded access (whistle on) not be mandatory but may be provided at the option of the repeater licensee.
4. That cross-band operation of repeaters be permitted.
5. That subbands for repeater operation not be specified by the Commission at this time except that, in the 144 MHz band, repeater operation be conducted only above 146 MHz so as to permit the greatest flexibility for development of space communications in the world-wide exclusively amateur portion of that band.
6. That the licensee or another operator with an appropriate class of license designated by the licensee be capable of deactivating the repeater from a fixed, portable, or mobile control point in case of malfunction or improper or unauthorized use of the repeater.
7. That the 1 Kilowatt power limit applicable generally to the amateur service be applicable to repeaters.
8. That fixed, portable and mobile operation of repeaters be permitted.
9. That automatic means to limit the length of a single transmission of a repeater, or a series of transmissions, not be required but may be provided at the option of the licensee.
10. That identification of a repeater be given at least every ten minutes of operation by automatic or manual means and by cw, mcw, or voice at the option of the licensee, with cw or mcw, if used, not to exceed a rate of 20 words per minute.
11. The League concurs with FCC's proposal regarding relaxation of logging requirements.

#####

THE FINAL FINAL

As many of you know, this will be my last month as QUA-RAE co-editor and Vice President of the club. I must report for active duty as a commissioned officer in the Army at the end of this month.

Since last year at this time, when I began taking an active interest in the club, I have helped lead it through one of its most difficult times. I have tried to show that the club is not dependant on any one or two individuals, but on the working together of all active members for a common goal. I have recognized differences of opinion and the need to closely scrutinize the finances of the club, without taking personal offense. Lastly, I have tried to bring a lost sense of humor back into Erie Amateur Radio. If more people learned to take things a little less-seriously and laugh once in a while, there wouldn't be half the problems in the world as there are today.

In my travels, I hope to keep in close contact with the Club, and periodically write articles for the QUA-RAE. I am still lining up speakers for the monthly activities meetings, and it looks as if they can be kept going with good out-of-town speakers right through the summer.

73, Ronald J. Jakubowski, K3VXE

The R.A.E. and L.S.A.R.C.
announce their combined
1971 AUCTION

to be held

SATURDAY • APRIL 17TH

from 4:00 PM to 10:00 PM.

at

ST. GEORGE AUDITORIUM

5145 PEACH ST. (KEARSARGE) ERIE, PENNA.

FREE ADMISSION and LOTS OF PARKING

⋮ REFRESHMENTS ⋮

Sooooo.....

COME EARLY and STAY LATE

Bring your goodies Shop and Swap....

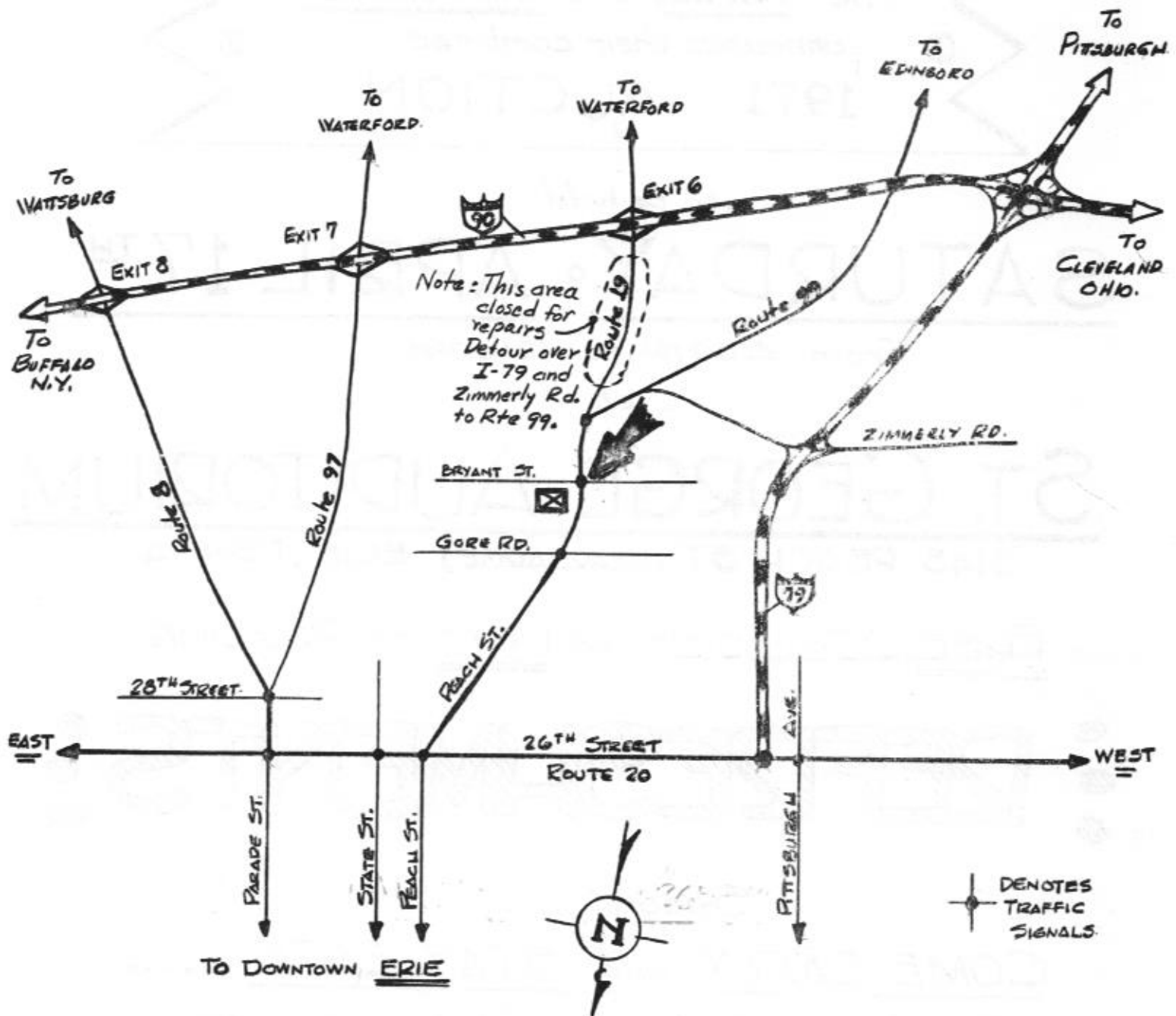
NOTE: The RAE and LSARC retains 10% of all sales.

Sponsors: RADIO ASSOCIATION OF ERIE, INC.
LAKE SHORE AMATEUR RADIO CLUB

W3GV TALKINS ON 7.265 - 29.000 - 50.52 MHZ.

(See map on reverse side of this sheet.)

W3GV TALKINS on 7.265-29.000 & 50.52 MHz



WHAT? RAE & LSARC 1971 AUCTION

WHERE? ST. GEORGE AUDITORIUM 5145 PEACH ST.

TIME & DATE? SAT. APRIL 17th 4:00PM to 10:00 PM

1971 ARRL ATLANTIC DIVISION QUESTIONNAIRE

NAME _____ CALL _____ AGE _____

ADDRESS _____ ZIP _____

I DESIRE TO BE PUT ON THE DIVISION MAILING LIST (CHECK) _____

CLASS OF LICENSE (CIRCLE ONE) E A G C T N

YEAR FIRST LICENSED _____ TOTAL YEARS LICENSED _____ YEARS ARRL MEMBER _____

WHAT AMATEUR LICENSES HAVE YOU PREVIOUSLY HELD? E A G C T N OTHER _____

YEAR FIRST LICENSED _____ TOTAL YEARS LICENSED _____ YEARS ARRL MEMBER _____

DO YOU HAVE AN AMATEUR RADIO STATION ON THE AIR NOW? YES _____ NO _____ MOBILE _____

ON WHAT BANDS? 160 _____ 80 _____ 40 _____ 20 _____ 15 _____ 10 _____ 6 _____ 2 _____ OTHER _____

WHAT MODES? CW _____ AM _____ SSB _____ FM _____ RTTY _____ TV _____ OTHER (NAME) _____

ARE YOUR INTERESTS IN AMATEUR RADIO CENTERED ABOUT (INDICATE APPROXIMATE %)

ADMINISTRATION _____ CONSTRUCTION _____ CONTEST _____ DX _____ EXPERIMENTATION _____

MARS _____ AREC/RACES _____ TRAFFIC _____ RAGCHEWING _____ OTHER (NAME) _____

DO YOU TAKE PART IN: ARRL FIELD DAY _____ ARRL DX CONTEST _____ ARRL SWEEPSTAKES _____

ARRL VHF CONTESTS _____ OTHER CONTESTS (NAME) _____

DO YOU BELONG TO AN AMATEUR RADIO CLUB? YES _____ NO _____ MORE THAN ONE _____ (NUMBER)

IN ADDITION TO QST, WHAT OTHER AMATEUR RADIO PUBLICATIONS DO YOU RECEIVE?

CQ _____ HAM RADIO _____ 73 _____ OTHER (NAME) _____

ESTIMATE YOUR AVERAGE TIME ON THE AIR: CW _____ %PHONE _____ %OTHER _____ %

DO THE PRESENT AMATEUR BAND ASSIGNMENT, INCLUDING CLASS AND SUB-ALLOCATIONS,

SATISFY YOUR NEEDS? YES _____ NO _____ AND YOUR FUTURE NEEDS? YES _____ NO _____. IF NOT,

WOULD YOU LIKE TO SEE LARGER SUB-ALLOCATIONS FOR CW _____ PHONE _____ OTHER _____

EXTRA CLASS _____ ADVANCED _____ GENERAL/CONDITIONAL _____ TECHNICIAN _____ NOVICE _____

IN VIEW OF THE INTERNATIONAL IMPACT, WHAT IS YOUR OPINION CONCERNING THE

"THE PROPOSAL AS OUTLINED ON PAGE 9 TO CHANGE THE U.S. 75 METER VOICE SUBBAND"?

FOR _____ AGAINST _____ GENERAL COMMENTS _____

DETACH, FILL OUT, AND MAIL AS SOON AS POSSIBLE--FOLD AND USE MAILING LABEL ON REVERSE SIDE.

QUA-RAE READER SERVICE

THIS IS NEWS OF THE RADIO ASSOCIATION OF ERIE

FOLD HERE 2

STAPLE OR SCOTCH TAPE

FROM

CALL

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ZIP

HARRY A. McCONAGHY, W3EPC

ARRL ATLANTIC DIVISION DIRECTOR

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